

Bibliografía y Fuentes

Charla RF: Hackemate

Alan Levy / Matias Perez
@mtg_security
Marzo de 2018

Ataques

Jamming:

Jammin WiFi with GNURadio

<https://advancedpersistentjest.com/2017/04/17/signal-disruption-via-gnuradio/>

Rolling Codes

RollJam en GNURadio:

<http://spencerwhyte.blogspot.com.ar/2014/03/delay-attack-jam-intercept-and-replay.html>

The Five Finger Code Finder (vehículos Ford)

<https://hackaday.io/project/27445-five-finger-code-finder>

Ataque teclado inalambrico

<https://samy.pl/key sweeper/#key>

<http://travisgoodspeed.blogspot.com.ar/2011/02/promiscuity-is-nrf24l01s-duty.html>

Ataque Alarmas

<https://www.youtube.com/watch?v=68M6lVNxifg>

Detector de microfonos espías usando SDR

<https://github.com/eldraco/Salamandra>

Charlas, Presentaciones y otras:

Hacking The IoT (Internet of Things) - PenTesting RF Operated Devices

https://www.owasp.org/images/2/29/AppSecIL2016_HackingTheIoT-PenTestingRFDevices_ErezMetula.pdf

DEF CON 25 - Matt Knight - Radio Exploitation 101

<https://www.youtube.com/watch?v=HTVPmF8u7Yg>

Decodificando señal de garaje con audacity

<https://www.youtube.com/watch?v=IAa2EXsvYHA>

Ver la pantalla de un monitor con SDR (Tempest)

<https://github.com/martinmarinov/TempestSDR>

https://www.youtube.com/watch?v=8HV70b-DpE0&list=PLjlbvd0_rCDGZJ-WStdmcHxI8W9cb885k

<https://www.rtl-sdr.com/tempestsdr-a-sdr-tool-for-eavesdropping-on-computer-screens-via-unintentionally-radiated-rf/>

Explicación de bloques GNU Radio en Replay Attack

<https://www.youtube.com/watch?v=RnAggGR-D-8>

Blog de un speaker de la DefCon que dió charla de RF

<https://calebmadrigan.com>

Decodificando señales con Inspectrum

<https://www.youtube.com/watch?v=tGff31uGXQU>

433MHz ASK signal analysis

https://bytebucket.org/rootbsd/433mhz-ask-signal-analysis/raw/5f4937e4efb2198abcc375b8aefee41421941fca/pdf/433MHz_ASK_signal_analysis-Wireless_door_bell_adventure-1.0.pdf

Estudiando comunicaciones por radio con GNURadio y SDR

<https://foo-manroot.github.io/post/es/gnuradio/sdr/2017/11/18/gnuradio-ook.html>

Suplantando un mando a distancia usando SDR y GNURadio

<https://foo-manroot.github.io/post/es/gnuradio/sdr/2018/01/15/gnuradio-ook-transmit.html>

JUST A PAIR OF THESE \$11 RADIO GADGETS CAN STEAL A CAR

<https://www.wired.com/2017/04/just-pair-11-radio-gadgets-can-steal-car/>

Arduino

Copiar Señal y replicarla en un Arduino

<http://www.instructables.com/id/Decoding-and-sending-433MHz-RF-codes-with-Arduino/>

How to copy a 433MHz signal with an Arduino board

<https://www.youtube.com/watch?v=LbCDpbWrdIQ>

Arduino, clonado de frecuencias:

<https://www.youtube.com/watch?v=LbCDpbWrdIQ>

GNU Radio Companion and Practical Sigint

<http://blog.kismetwireless.net/2013/08/hackrf-pt-2-gnuradio-companion-and.html>

GNU Radio

Decodificando señales

<https://blog.compass-security.com/2016/09/software-defined-radio-sdr-and-decoding-on-off-keying-ook/>

<https://github.com/CBrunsch/BinViz>

On-Off Keying (ASK) with SDR

<https://zeta-two.com/radio/2015/06/23/ook-ask-sdr.html>

Reverse engineering static key remotes with gnuradio and rfcats

<https://leonjza.github.io/blog/2016/10/02/reverse-engineering-static-key-remotes-with-gnuradio-and-rfcats/>

Ejemplos con HackRF

https://github.com/scateu/HackRF_Examples

GNU Radio Live

<https://www.gnuradio.org/blog/using-gnu-radio-live-sdr-environment/>

Tools

RFCat Tools

<https://github.com/AndrewMohawk/RfCatHelpers>

OOK Tools

<https://leonjza.github.io/blog/2016/10/08/ooktools-on-off-keying-tools-for-your-sdr/>

Decoder de OOK

<https://github.com/leonjza/ooktools>

<https://github.com/jimstudt/ook-decoder>

Compendio de tools y hardware:

<https://github.com/cn0xroot/RFSec-ToolKit>

Envío de señales OOK con Hackrf

https://github.com/Lefinnois/hackrf_ook

Más tools sobre diferencias entre tipos de señales

<https://github.com/calebmadrighal/radio-hacking-scripts>

Aviones en tiempo real en el navegador con JS

<https://github.com/watson/airplanejs>

RF, terminología, etc

<https://www.youtube.com/watch?v=FVmTooGICNc>

SDR

<https://greatscottgadgets.com/sdr>

<https://www.rtl-sdr.com>

Y por último mucho, pero mucho: <https://www.google.com>